


 PATENT


## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of )

Ketchum et al. )

 For: Derivation of Eigenvectors for  
 Spatial Processing in MIMO  
 Communication Systems

Serial No. 10/729,070 )

Examiner: Unknown )

Filed: December 4, 2003 )

Group No. Unknown

## INFORMATION DISCLOSURE STATEMENT

 Mail Stop Amendment  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Dear Sir:

Applicants submit herewith, in accordance with 37 CFR § 1.98, the patents, publications and other information listed on the enclosed Form PTO-1449.

## CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

## MAILING

- ☒ deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

 Depositor's Name: Christine Hughey  
 (type or print name)
Date: July 30, 2004Signature: Christine Hughey

## FACSIMILE

- ☐ transmitted by facsimile to the Patent and Trademark Office.

 Depositor's Name: \_\_\_\_\_  
 (type or print name)

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

The references submitted herewith are those of which Applicants are aware, which they believe may be material to the examination of this application and, with respect to which there may be a duty to disclose in accordance with 37 CFR § 1.56. While the references identified may be material to the examination of this application pursuant to 37 CFR § 1.56, the citation of these references is not intended to constitute an admission that any reference referred to herein is prior art to the invention of this application, unless specifically designated as such. Additionally, the filing of this Information Disclosure Statement shall not be construed to mean that any search has been made or, that if made, such search was complete or exhaustive, or that no other material information as defined in 37 CFR § 1.56 exists.

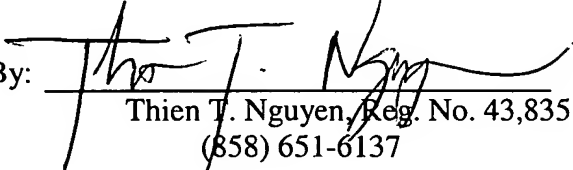
In accordance with 37 CFR §1.97(e)(1), the undersigned certifies that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

A list of the references is set forth on Form PTO-1449, which is enclosed herewith, along with a copy of each cited foreign reference (copies of U.S. references are not enclosed). Applicants respectfully request that the Examiner return to Applicants a copy of the Form PTO-1449 indicating consideration of the references cited thereon.

Applicants do not believe that any fees are due. If, however, it is determined that fees are owed, Applicants hereby authorize that such fees be charged to Deposit Account No. 17-0026.

Respectfully submitted,

Dated: July 30, 2004

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(REV. 7-80) PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)

DATE MAILED: July 30, 2004

ATTY. DOCKET NO.

030018

APPLICATION NO.

10/729,070

APPLICANT

Ketchum et al.

FILING DATE

December 4, 2003

GROUP

Unknown

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPRO- PRIATE
	A1						
	A2						
	A3						
	A4						
	A5						
	A6						
	A7						
	A8						
	A9						
	A10						

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Ref No	DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS
	B1	DE 101 62 548 A1 (English Translation of Abstract included)	07/17/2003	Germany	Siemens AG		
	B2						
	B3						
	B4						
	B5						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Page, Etc.)

	C1	
	C2	
	C3	
EXAMINER		DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		